NAVOSH

13 ANNUAL SAFETY PROFESSIONAL DEVELOPMENT

NHTSA

NATIONAL HIGHWAY TRAFFIC SAFETY ADMINISTRAION

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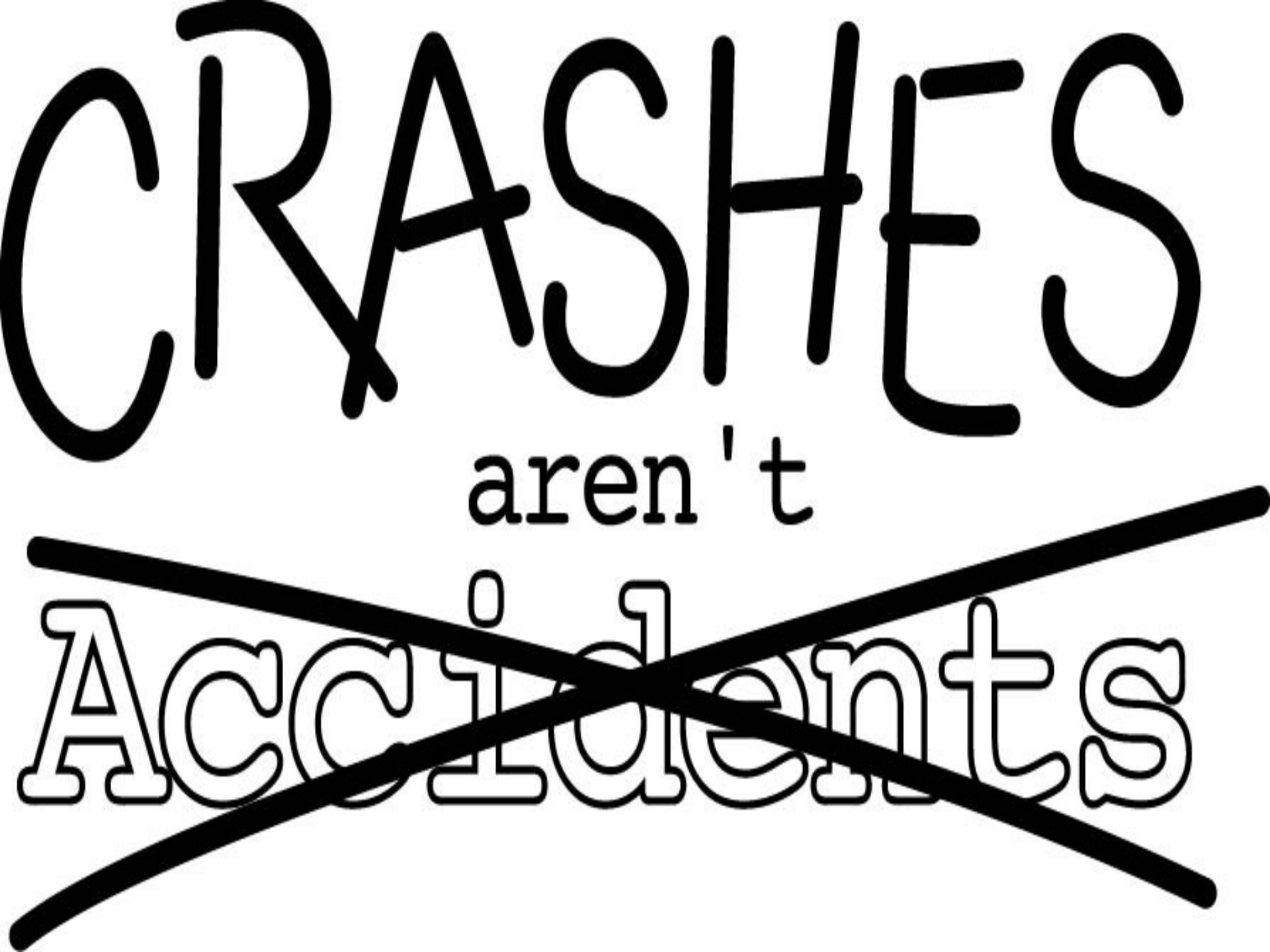
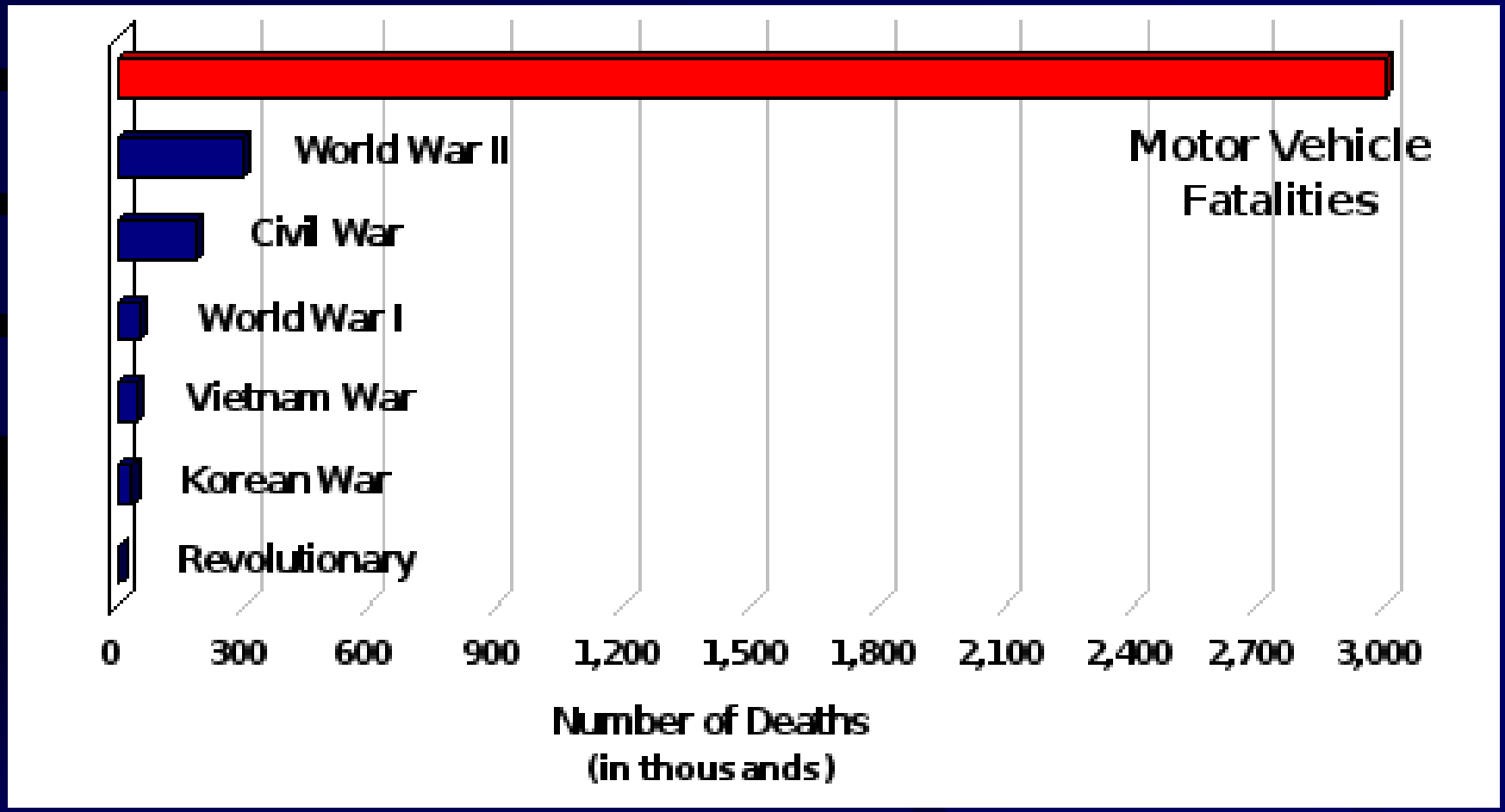
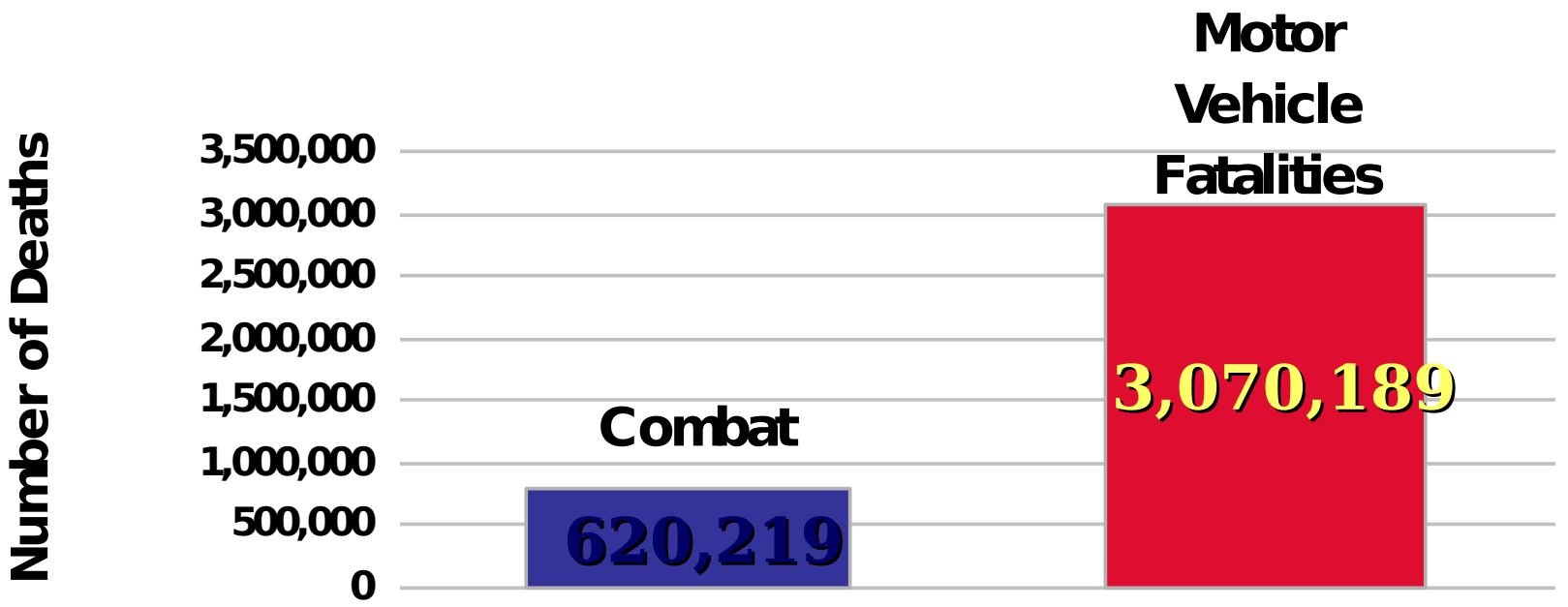
People Saving People
http://www.nhtsa.dot.gov


CRASHES
aren't
Accidents

Americans Killed in Combat
vs.
Motor Vehicle Fatalities



Americans Killed in Combat vs. Motor Vehicle Fatalities



ANOTHER LOOK AT THE NUMBE

1 Fatality every 13 minutes

- 4 (4.6) People per Hour (60 Mins. per Hour)
- ⇨110 (110.7) People per Day (24 hours per Day or 1440 Mins)
- ⇨3321 People per Month, (30 Days per Month or 43200 Mins)

This compares to the September 11, 2001 disaster each and every month!

CRIME vs. CRASH CLOCK (2002)

1 murder every 32 minutes

1 fatality every 12 minutes

1 aggravated assault every 35 seconds

1 injury every 16 seconds

1 violent crime every 22 seconds

1 crash every 5 seconds

Top 10 Leading Causes of Death in the United States for 2001, by Age Group

RANK	Cause and Number of Deaths											Years of Life Lost
	Infants Under 1	Toddlers 1-3	Young Children 4-7	Children 8-15	Youth 16-20	Young Adults 21-24	Other Adults			Elderly 65+	All Ages	
							25-34	35-44	45-64			
1	Perinatal Period 13,734	Congenital Anomalies 496	MV Traffic Crashes 533	MV Traffic Crashes 1,546	MV Traffic Crashes 5,979	MV Traffic Crashes 4,136	MV Traffic Crashes 6,759	Malignant Neoplasms 16,569	Malignant Neoplasms 139,785	Heart Disease 582,730	Heart Disease 700,142	Malignant Neoplasms 23% (8,614,131)
2	Congenital Anomalies 5,513	MV Traffic Crashes 421	Malignant Neoplasms 400	Malignant Neoplasms 829	Homicide 2,414	Homicide 2,738	Homicide 5,204	Heart Disease 13,326	Heart Disease 98,885	Malignant Neoplasms 390,214	Malignant Neoplasms 553,768	Heart Disease 22% (8,110,571)
3	Heart Disease 479	Accidental Drowning 393	Exposure to Smoke/Fire 178	Suicide 447	Suicide 1,879	Suicide 1,924	Suicide 5,070	MV Traffic Crashes 6,891	Stroke 15,518	Stroke 144,486	Stroke 163,538	MV Traffic Crashes 5% (1,700,952)
4	Homicide 332	Homicide 362	Congenital Anomalies 168	Homicide 391	Malignant Neoplasms 814	Accidental Poisoning 771	Malignant Neoplasms 3,994	Suicide 6,635	Diabetes 14,913	Chronic Lwr. Resp. Dis. 106,904	Chronic Lwr. Resp. Dis. 123,013	Stroke 5% (1,687,683)
5	Septicemia 312	Malignant Neoplasms 321	Accidental Drowning 164	Congenital Anomalies 324	Accidental Poisoning 566	Malignant Neoplasms 768	Heart Disease 3,160	HIV 5,867	Chronic Lwr. Resp. Dis. 14,490	Influenza/ Pneumonia 55,518	Diabetes 71,372	Chronic Lwr. Resp. Dis. 4% (1,444,745)
6	Influenza/ Pneumonia 299	Heart Disease 200	Homicide 133	Accidental Drowning 293	Heart Disease 398	Heart Disease 543	Accidental Poisoning 2,507	Accidental Poisoning 5,036	Chronic Liver Disease 13,009	Diabetes 53,707	Influenza/ Pneumonia 62,034	Suicide 3% (1,079,822)
7	MV Traffic Crashes 139	Exposure to Smoke/Fire 170	Heart Disease 82	Heart Disease 273	Accidental Drowning 326	Accidental Drowning 211	HIV 2,101	Homicide 4,268	Suicide 9,259	Alzheimer's 53,245	Alzheimer's 53,852	Perinatal Period 3% (1,070,154)
8	Nephritis/ Nephrosis 133	Septicemia 96	MV NonTraffic Crashes 51	Exposure to Smoke/Fire 140	Congenital Anomalies 244	Congenital Anomalies 206	Stroke 601	Chronic Liver Disease 3,336	MV Traffic Crashes 8,750	Nephritis/ Nephrosis 33,121	MV Traffic Crashes 42,443	Diabetes 3% (1,014,201)
9	Stroke 108	Influenza/ Pneumonia 92	Benign Neoplasms 46	MV NonTraffic Crashes 125	Accidental Falls 114	HIV 167	Diabetes 595	Stroke 2,491	HIV 5,437	Septicemia 25,418	Nephritis/ Nephrosis 39,480	Homicide 3% (924,263)
10	Meningitis 78	Perinatal Period 63	Septicemia 33	Chr. Lwr. Resp. Dis. 102	Acc. Dischg. of Firearms 114	Accidental Falls 134	Congenital Anomalies 458	Diabetes 1,958	Nephritis/ Nephrosis 5,106	Hypertension Renal Dis. 16,397	Septicemia 32,238	Chronic Liver Disease 2% (623,998)
ALL	27,568	4,288	2,703	6,672	15,851	14,940	41,683	91,674	412,204	1,798,420	2,416,425	All Causes 100% (36,866,317)

ALCOHOL

ALCOHOL FACTS

Lets be clear about the issu

- Low levels of alcohol consumption can increase risk of crash
  - Increase injury risk in many forms
- Alcohol involved in about 41% of fatal car crashes
  - 2003 17,013 fatal alcohol involved crashes
    - 14,630 had BAC > .08
- Alcohol abuse/dependence more common in males than female

MORE ALCOHOL FACTS

- Women are different from men
  - More vulnerable to medical consequences
  - Develop organ damage faster & at lower levels of alcohol
  - Woman handle alcohol differently then men
- It is estimate that……
  - 95% of people who drive under the influence are not caught
  - 32 million people drive under the influence

SERIOUS ALCOHOL FACTS

- The average BAC of those arrested is .16
- This is not an easy level to reach
  - Remember body constantly rids itself of alcohol
- 90's study in Canada, people who reached this level averaged 16 drinks a day
- Extreme BAC
  - Classification of DUI
  - Generally varies in states between BAC .16 - .18
- BAC .16 - .18 considered by many to be a problem drinker
- **Highest fatality rate is 18-21 age group**

ALCOHOL SOLUTIONS

- Accept that alcohol problems are not limited to driving and they know no barriers, including rank
  - Family troubles/problems
  - Many alcohol abuser are gainfully employed
- Screening and brief intervention
  - 7 April 2005 is Alcohol Screening Day
- Long term counseling, starting with1st time offenders
  - Allows for ID of problem drinker/abusers
    - Get additional necessary help

SOLUTIONS CONTINUED

- Treatment/counseling paid for by offender
  - Many are employed and have assets
- Remove vehicle and restrict driving privilege
- Do not give any breaks
- Incarceration is not effective (Except @ arrest)
- Think “outside of the box”
  - If we always do what we always did we will always get what we always got

DROWSY & DISTRACTED DRIVING

DROWSY DRIVING

- Well…..
- Not much available information
- Hard to determine
  - Generally only have indications and not facts
- No reliable countermeasures
  - Education

DISTRACTED DRIVING

- Does Cause Crashes
  - No Reliable info on degree of involvement
- Cell Phones
  - The worst
  - Hands free is no better
- DVD Players
  - Portable and mounted
  - Rapidly growing issue
- All the old standbys
  - Not as bad as above

Safety Belts

- Single most effective device for saving lives and reducing injuries.
  - Simplest piece of safety equipment in a car to use
- About 50% effective in saving lives
  - Properly worn
- NASCAR (5 point belt)
- Ejection

SPEED & MOTORCYCLES

- It is Estimated that……
- One-Third of all fatal crashes are caused by speed
- Speed cost nation $40 Billion
- 68% of drivers think that speed is a personal threat to own safety
- Since 1996 speed related fatalities have increased by 38 percent.

WHO DOES SPEED KILL

WHERE DOES SPEED KILL

HOW DOES SPEED KILL

SPEED REALLY DOES KILL

SPEED
SHATTERS
LIFE

MOTORCYCLES

- Motorcycles are the most dangerous vehicle on the roadway for their riders.
- Helmets are 37% effective
  - Riders & passengers with helmets will die in crashes
- Education has minimal effect crashes/fatalities
- In 2003 motorcycle fatalities
  - 25% of riders had no license
  - 33% had been drinking
  - 50% (About) had no helmet

DID YOU KNOW?

- 80% of motorcycle crashes kill or injure rider.
- While 20% of car crashes kill or injure a vehicle occupant.

They are NEVER to young to learn about Traffic Safety

Final Thought

When I die, I want to die like my grandfather – who died peacefully in his sleep. Not screaming like all the passengers in his car.

- Au

WHERE AND HOW TO FIND ME

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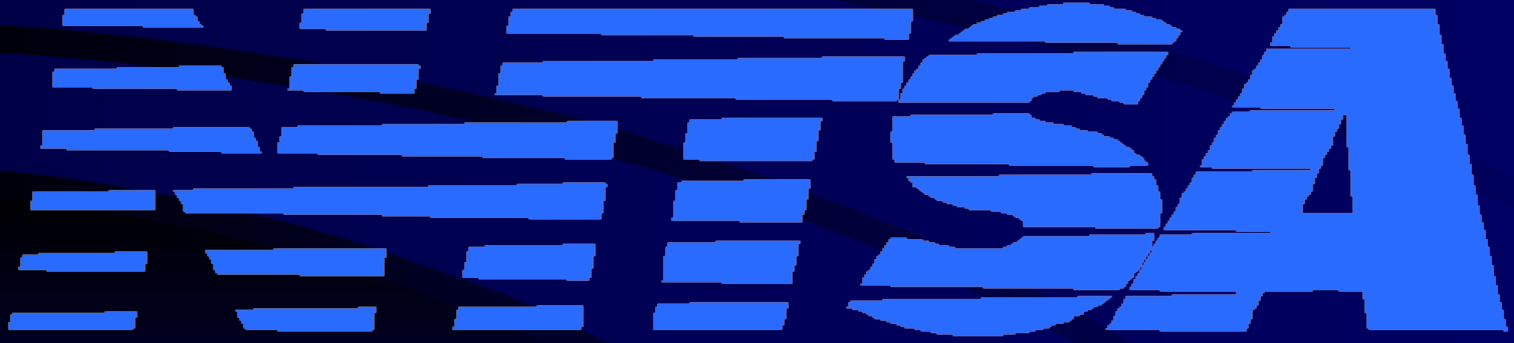
And….. Remember

To Always

DRIVE SAFELY, DRIVE RESPONSIBLY & PROPERLY SECURE ALL OCCUPANTS

THANK YOU!



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